

NAVSEA

NAVAL SEA SYSTEMS COMMAND

Submarine Maintenance Engineering



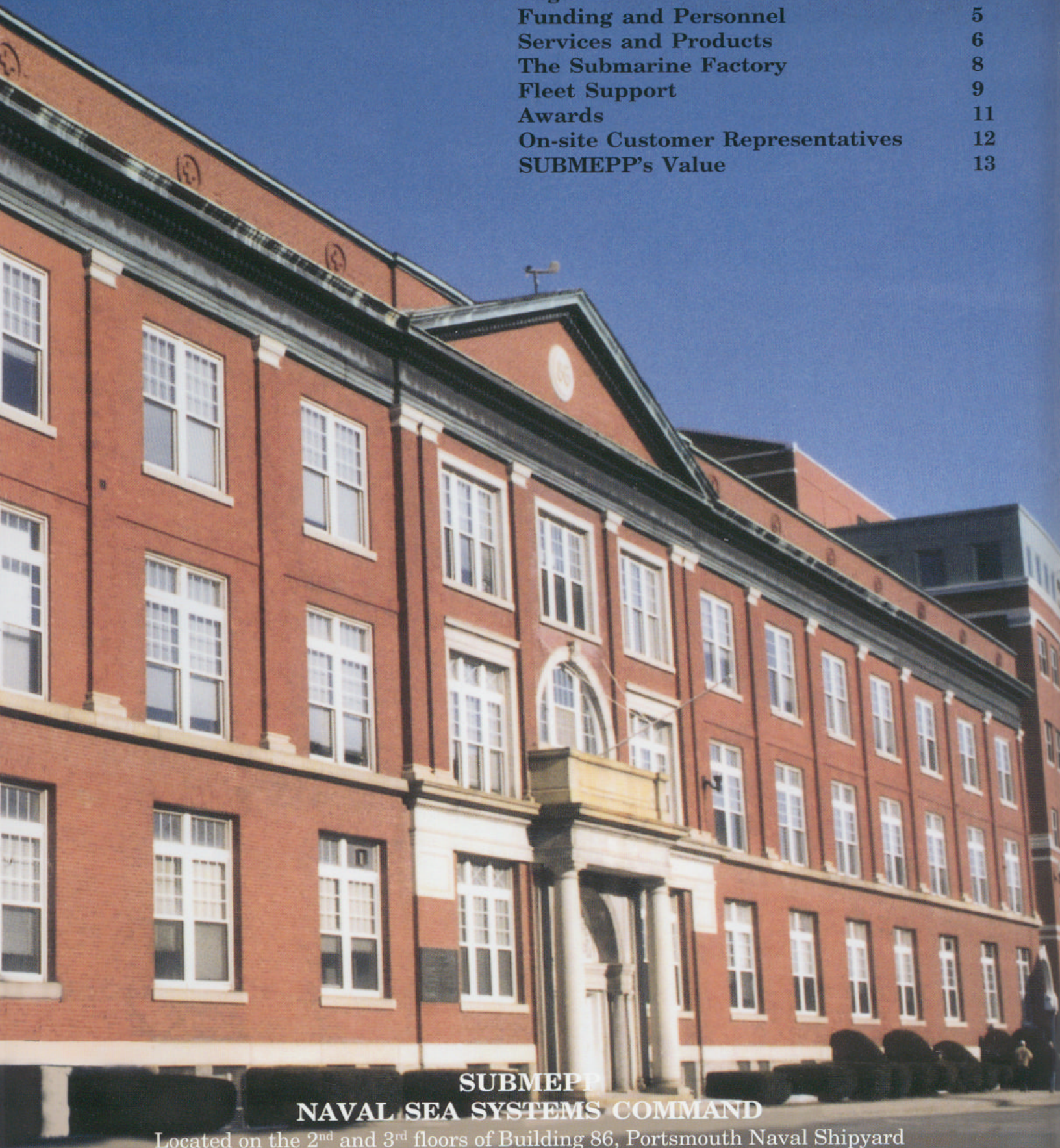
SUBMEPP

Keeping America's Navy #1 in the World

...for today...for tomorrow...for the Navy after next

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SUBMEPP
NAVAL SEA SYSTEMS COMMAND

Located on the 2nd and 3rd floors of Building 86, Portsmouth Naval Shipyard



COMMANDING OFFICER's MESSAGE

SUBMEPP provides submarine maintenance solutions to ships, Intermediate Maintenance Activities, and Depot facilities around the world. We are a proud member of TEAM SUBMARINE, reporting to the Naval Sea Systems Command (NAVSEA). We provide cost effective life cycle maintenance and modernization products and services that keep the United States Submarine Force #1 in the World. We are dedicated to maintaining submarines in the safest and most reliable condition possible through conscientious application of engineering processes.

SUBMEPP strives to make our products accessible and user-friendly. We continue to expand methods for our customers to access and retrieve products, whether you need them on demand or by periodic automatic updates.

This brochure provides general information concerning the organization, products, services and people of SUBMEPP. We value your feedback so that we may continue to improve our service to the Submarine Force and the Fleet.

D.S. HERBEIN, CAPT, USN

SUBMEPP's History

Since our inception in March of 1967, SUBMEPP has developed and managed innovative programs that cope with the complex business of submarine maintenance. We were conceptualized by Portsmouth Naval Shipyard in 1966 and grew from their design division. Today, we are an independent field activity of the Naval Sea Systems Command. Our technical authority allows us to serve all Naval shipyards, submarine Intermediate Maintenance Activities, and the Fleet. We are aligned under NAVSEA's Submarine Directorate and employ over 200 engineers and technical professionals in support of submarine maintenance worldwide.

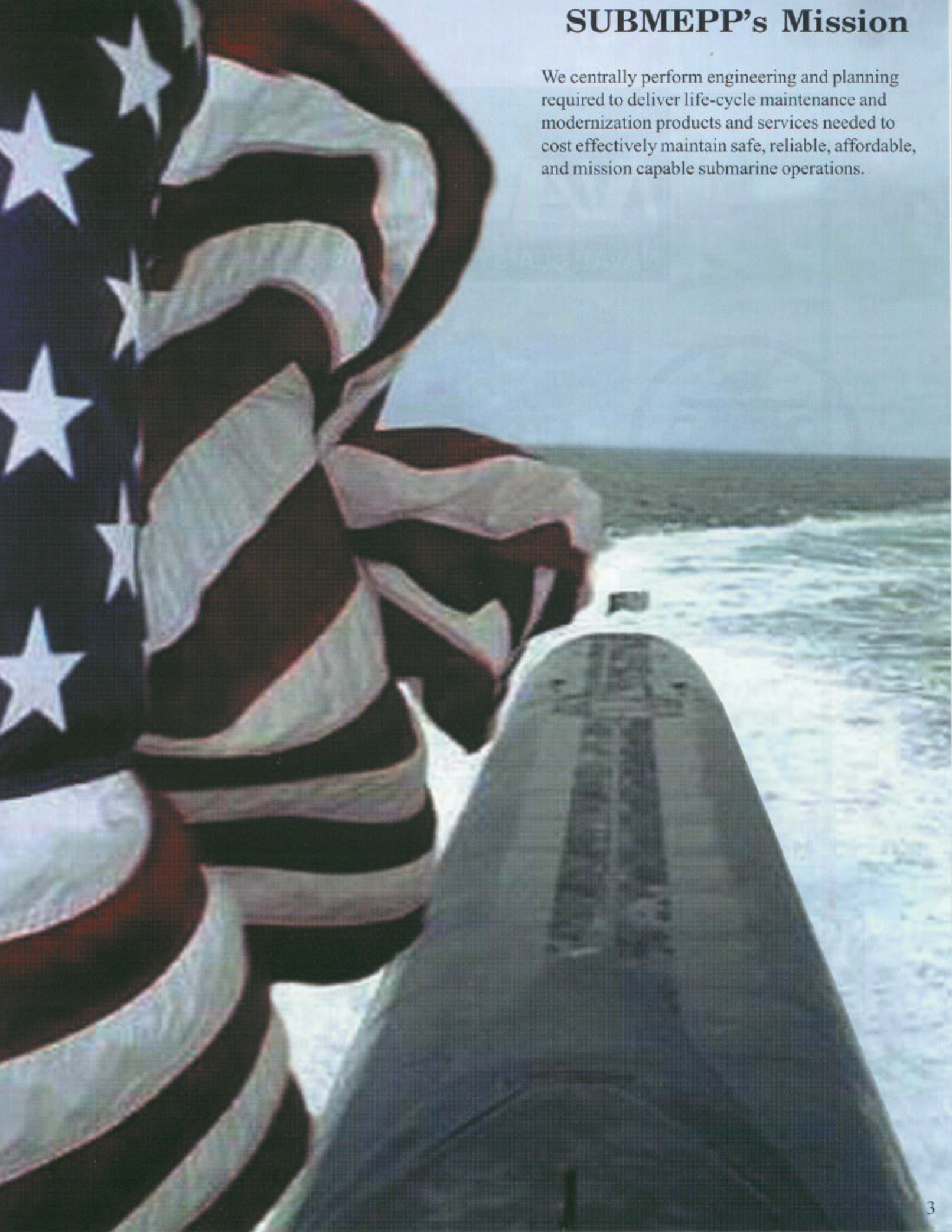
The Department of the Navy established SUBMEPP at a time when the cost and length of submarine overhauls were spiraling out of control. We were then called PERA (SS), Planning and Engineering for Repairs and Alterations of Submarines. Through the 1970s, our business grew to a pivotal position in submarine maintenance and modernization planning. We had matured from a shipyard business unit to a NAVSEA Detachment by late 1983. Our responsibilities, competencies, and reputation continued to grow far beyond those of surface PERA organizations. In 1986, our expanded role led the CNO to sign our name change to one that accurately projected our unique value and business focus: SUBMEPP-- Submarine Maintenance Engineering, Planning and Procurement. In April 1991, our responsibilities were further recognized when SUBMEPP earned status as a Command, and our Officer-in-Charge became our first Commanding Officer.

SUBMEPP provides engineering, program management, and information technology support throughout the entire life-cycle maintenance process. During the Cold War, our people worked to keep costs down and to keep submarines on-line. Our job may be even more important today at the dawn of the Submarine Factory—the Navy's imperative to complete more than 35 major submarine availabilities over the next several years. We are proud to work for you in making today's challenge an opportunity for America's tomorrow.



SUBMEPP's Mission

We centrally perform engineering and planning required to deliver life-cycle maintenance and modernization products and services needed to cost effectively maintain safe, reliable, affordable, and mission capable submarine operations.





**SUBMEPP
Commanding Officer**

Chief Engineer

**Performance
Measurement Manager**

**SUBSAFE/DSS
Director**

**Maintenance &
Availability
Planning**

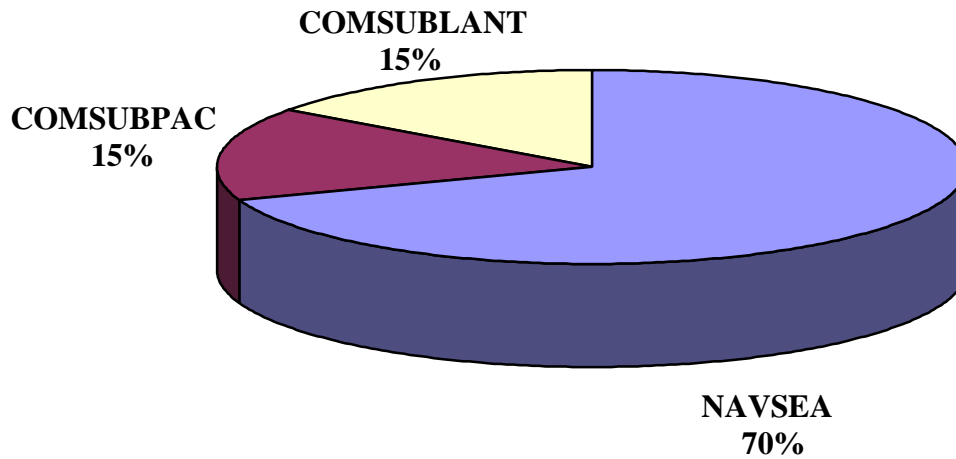
Engineering

**Information
Resources
Management**

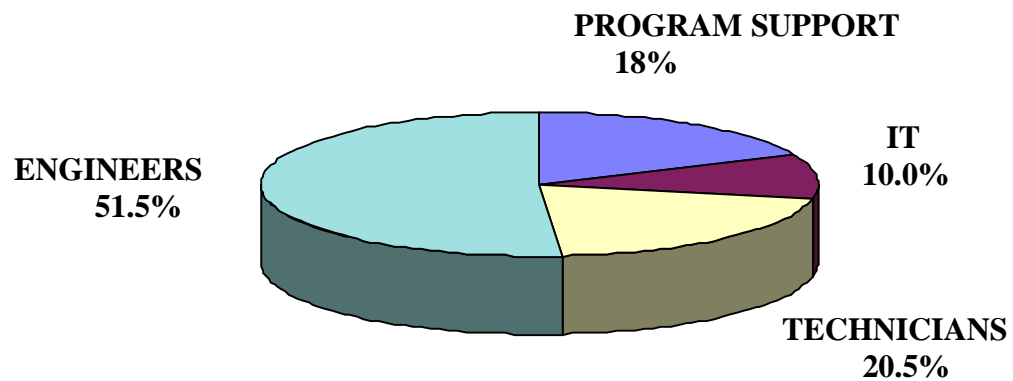
**Maintenance Instructions
and Material Programs**

**Corporate Ops & Reliability
Engineering**

FY 2001 MAJOR FUNDING



209 CIVILIAN EMPLOYEES



162 Bachelor Degrees 29 Masters 26 Associates

Data date: 29 SEPT 00



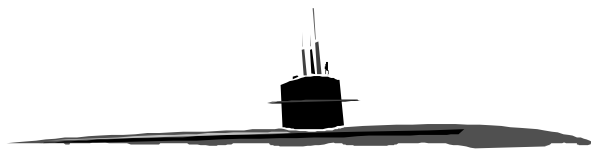
PLATFORMS SUPPORTED BY SUBMEPP

Products/ Units Supported	688 CL	726 CL	SSN 21 CL	SSN 23	Shore Based Trainers	UK	555	683	642	DDS	NR-1	MTS	SRC	ASDS	SEIE	ADS	VA CL	Surface Ships
Class Maintenance Plans																		
Availability Work Packages																		
Inventories, Schedules & Refit Work Packages						*												
Maintenance Standards																		
URO-MRCs DDS HIPS SOC-MRC																		
Test Documents																		
Pool Material																		
Material Support Prg																		
PMS Management					Trident													
Joint Flt Maint. Mnl (JFMM)																		

Currently Supported	
Under Development	
Expected to Support	

NOTE: SUBMEPP's Engineering Division (Code 1840), in accordance with Technical Authority delegate by NAVSEA, provides hull, mechanical, electrical and electronic system and component support for SUBMEPP products across platforms. In addition, 1840 performs delegated Life Cycle Management functions.

* Application provided for Support



SUBMEPP PRODUCTS AND SERVICES

PRODUCTS AND SERVICES	DESCRIPTION	CUSTOMERS
Life Cycle Class Maintenance Plans	Define submarine maintenance requirements for what work needs to be done, when and how often it should be done, and by whom (Shipyards, Submarine Tender, Refit Facility or Ship's Force).	NAVSEA Headquarters TYCOMs
Ship Availability Work Packages	Identify submarine maintenance that will be accomplished in a scheduled availability, and identify to the fleet the required periodic maintenance requirements. Availability products serve as the contract for major submarine repair and modernization work performed by private and public industrial facilities.	Naval and Private Shipyards IMAs
Maintenance Instruction Documents	Specify the minimum requirements for acceptable refurbishment and testing of submarine components, including testing/inspection criteria and parts replacement information. Products include Maintenance Standards, HM&E and CS Test Procedures, URO MRCs, DDS HIPS and the Joint Fleet Maintenance Manual (JFMM).	Submarines and Submersibles UK Trident
Submarine Rotatable Pool Components	The management including acquisition and repair of submarine material to support rapid equipment installation for all classes of submarines, reducing in-port repair time for accomplishment of mission.	Submarine Squadrons
Engineering	Holds delegated technical authority for the content and approval of SUBMEPP products, and performs specific component Life Cycle Manager functions for NAVSEA.	All TYCOMs and all repair facilities and ships of the Atlantic and Pacific Fleet (JFMM only)

The Submarine Factory means more than 35 major availabilities to get done in the next 7 years. SUBMEPP people and products work every day at the challenge so that our submarines can stay on patrol.

- We manage the Factory's Material Pillar and Shop 31 Corporate Initiative
- We incorporate our Maintenance Standards' technical requirements into NAVSEA Corporate Task Group Instructions
- We use our document management expertise to administer the Baseline Project Management Plan
- We focus submarine maintenance on the most effective work through in-house Reliability Engineering studies



Superior submarines get

**World-class maintenance
solutions from**

**SUBMEPP engineers,
technicians, IT professionals,
and program managers**



Awards for the Command

MARGARET CHASE-SMITH MAINE STATE QUALITY AWARD, LEVEL 1

The Level 1 Award recognized SUBMEPP's "significant commitment and thoroughness of approach in the use of quality concepts and core values." The award criteria follows the standard set by the Malcolm Baldrige National Quality Award process. SUBMEPP earned this honor for the focus we put on the quality and competitiveness of our products and engineering services.

NATIONAL PERFORMANCE REVIEW "HAMMER AWARD"

SUBMEPP received the Vice President's National Performance Review "Hammer Award" in May 1998. The award recognized the SUBMEPP Maintenance Standards (MS) Team for conversion of separate MS product lines into a single format and desk-top-publishing system. The resultant MS works better, costs less to create/maintain, and is easier for customers to use.

GRANITE STATE QUALITY ACHIEVEMENT RECOGNITION AWARD

SUBMEPP received the 1998 Granite State Quality Achievement Recognition Award. This recognition is presented to New Hampshire organizations that have demonstrated progress on their quality journey toward leadership in organizational performance and quality.

MERITORIOUS UNIT COMMENDATION

In 1995, SUBMEPP received the Navy Meritorious Unit Commendation (MUC). This honor, awarded by the Secretary of the Navy, recognized outstanding achievement and team performance. The commendation, presented by the Commander, Naval Sea Systems Command, cited all in SUBMEPP for orchestrating innovative and extremely effective procedures, engineering evaluations, and planning that would result in cost avoidance of over 1.5 Billion dollars across the six year defense plan.

LABOR/MANAGEMENT PARTNERSHIP CERTIFICATE

In 1997, SUBMEPP received the inaugural Labor-Management Partnership Certificate from the Department of Defense Partnership Council. Achievements cited included: the effective negotiation of a five year labor-management agreement; inclusion of a union official as a voting member of the Executive Steering Committee; establishment of a Labor-Management Issues Team; implementation of a new Employee Recognition Program and Compressed Work Schedules; and fair management of the retirement incentive program.

COMMUNITY SERVICE AWARDS

SUBMEPP employees are active in communities across the states in which they live. In 1998, the Governor of New Hampshire presented SUBMEPP with a citation for our achievements and commitment to our communities and the State of New Hampshire. In 1997, SUBMEPP was the co-winner of the *Northeast Region Community Service Award* for demonstrated social responsibility by assisting area schools and communities. SUBMEPP employees have also received individual recognition, including the *New Hampshire Federal Executive Association President's Award* in the category of Community Service and two winners of their *Equal Employment Opportunity/Diversity (EEO) Award*.

SUBMEPP Reps, on-site for submarines!



New London, CT <ul style="list-style-type: none"> • CSG2 • SSSU • NSSF • United Kingdom Vanguard/Trident 	NLonRep@submepp.navy.mil or (860) 694-4160 UKRep@submepp.navy.mil or (860) 437-5303
NAVSEA, SEA92	SUBMEPPNSSC@navsea.navy.mil or (703) 602-3800 x321
Norfolk, VA <ul style="list-style-type: none"> • Regional Support Group • Enterprise Resource Planning • COMSUBLANT 	NorfolkRep@submepp.navy.mil or (757) 444-1281, x4104 ERPRep@submepp.navy.mil COMSUBLANTRep@submepp.navy.mil or (757) 836-1301/1257
Kings Bay, GA <ul style="list-style-type: none"> • CSS-20 • TRF 	TRFKBRep@submepp.navy.mil or (912) 673-2745
Bangor, WA <ul style="list-style-type: none"> • CSS-17 • NAVIMFAC 	BangorRep@submepp.navy.mil or (360) 315-1999
Pearl Harbor, HI <ul style="list-style-type: none"> • COMSUBPAC • IMF Pearl 	PearlRep@phnsy.navy.mil or (808) 473-1000 x4744

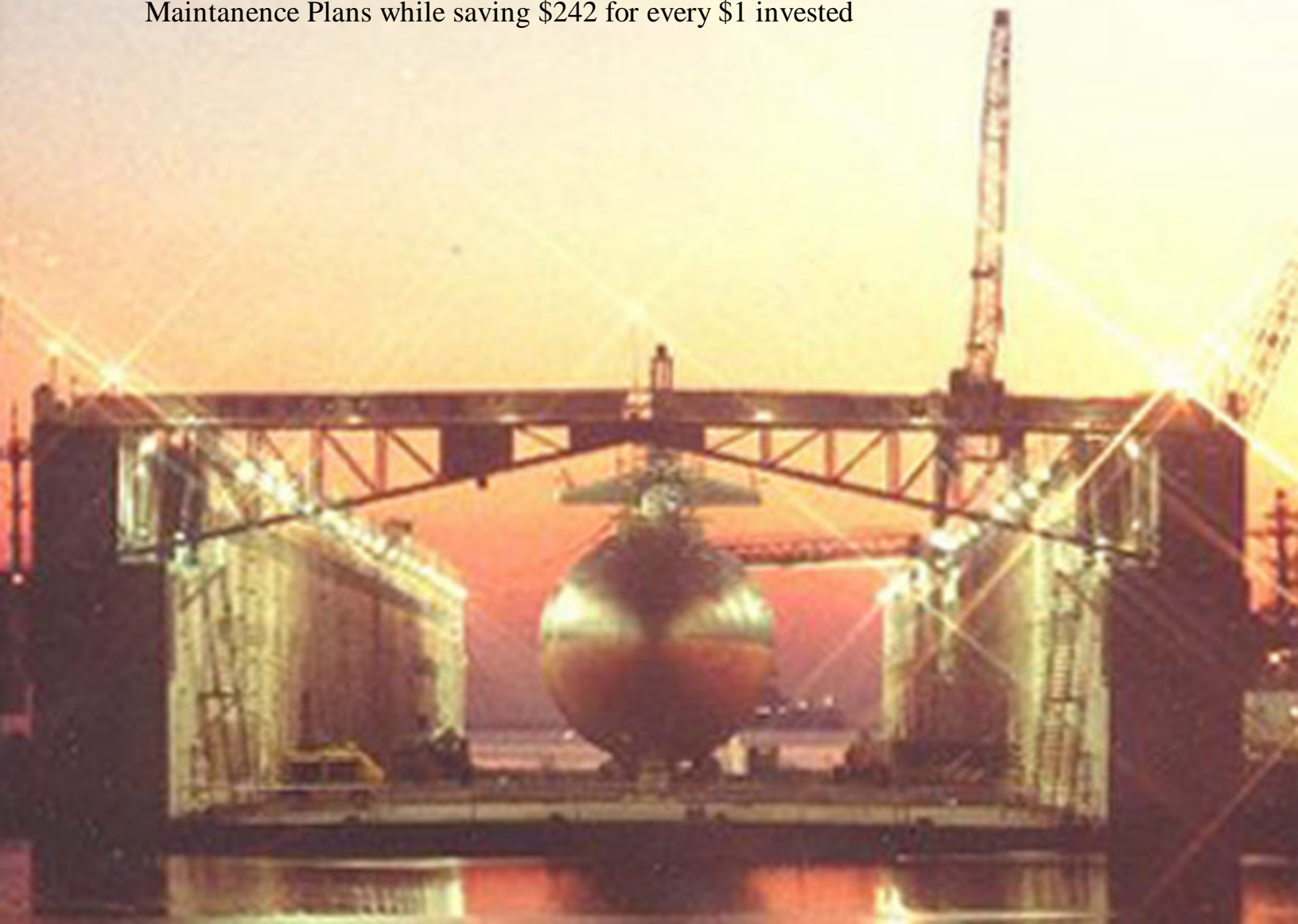
SUBMEPP's Value to the Navy

We have avoided billions of dollars in submarine maintenance planning, engineering and execution costs by:

- Reducing the scope of planned work
- Decreasing the number of major overhauls
- Extending attack Class operating cycles from 43 months to 120 months
- Performing service-life extension studies
- Implementing *e*-solutions throughout our Key Processes

As central manager of submarine life-cycle maintenance products, we have:

- Aligned technical requirements across submarine classes, Intermediate Maintenance Activities, and Shipyards
- Provided mission ready assets through our rotatable pool programs
- Contributed to cost effective maintenance plans for Virginia and Seawolf
- Consolidated our Maintenance Standard Library for estimated annual savings of \$1 million
- Deployed Reliability Centered Maintenance (RCM) expertise that has strengthened Maintenance Plans while saving \$242 for every \$1 invested





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